

Submit to Appropriate

District Office

State Lease - 6 copies

Fee Lease - 5 copies

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

## State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-105

Revised 1-1-89

## OIL CONSERVATION DIVISION

P. O. Box 2089

Santa Fe, New Mexico 87504-2088

RECEIVED  
JUN 25 1997OIL CON. DIV.  
DIST. 3

WELL API NO.

30-039-25615

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil &amp; Gas Lease No.

7. Lease Name or Unit Agreement Name

San Juan 28-6 Unit

8. Well No.

186M

9. Pool name or Wildcat

Blanco MV/Basin DK

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL:

OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐ DHC-1522

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER ☐

2. Name of Operator

BURLINGTON RESOURCES OIL &amp; GAS COMPANY

3. Address of Operator

PO BOX 4289, Farmington, NM 87499

4. Well Location

Unit Letter E : 1510 Feet From The North Line and 1015 Feet From The West LineSection 6 Township 27N Range 6W NMPM Rio Arriba County

10. Date Spudded

4-9-97

11. Date T.D. Reached

4-15-97

12. Date Compl. (Ready to Prod.)

6-23-97

13. Elevations (DF&amp;RKB, RT, GR, etc.)

6144 GR, 6156 KB

14. Elev. Casinghead

15. Total Depth

7333

16. Plug Back T.D.

17. If Multiple Compl. How

Many Zones?

2

18. Intervals

Drilled By

Rotary Tools

0-7333

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

7086-7278 Dakota

Commingled w/Mesaverde

20. Was Directional Survey Made

21. Type Electric and Other Logs Run

GR, CNL

22. Was Well Cored

No

## 23. CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT LB/FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|---------------|-----------|-----------|------------------|---------------|
| 9 5/8       | 32.3#         | 229       | 12 1/4    | 236 cu.ft.       |               |
| 7           | 20#           | 3072      | 8 3/4     | 804 cu.ft.       |               |
|             |               |           |           |                  |               |
|             |               |           |           |                  |               |
|             |               |           |           |                  |               |

## 24. LINER RECORD

| SIZE  | TOP  | BOTTOM | SACKS CEMENT | SCREEN | SIZE  | DEPTH SET | PACKER SET |
|-------|------|--------|--------------|--------|-------|-----------|------------|
| 4 1/2 | 2200 | 7330   | 628 cu.ft.   |        | 2 3/8 | 7264      |            |
|       |      |        |              |        |       |           |            |

## 25. TUBING RECORD

26. Perforation record (interval, size, and number)

7086, 7096, 7106, 7108, 7118, 7126, 7140, 7148, 7168, 7178, 7196, 7206, 7215, 7231, 7256, 7266, 7278

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL

AMOUNT AND KIND MATERIAL USED

7086-7278

1038 bbl 30# x-link gel, 90,000# 20/40 tempered DC sd

## 28. PRODUCTION

|                                                                          |                                                                                |                             |                           |            |                                      |                             |                 |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------|---------------------------|------------|--------------------------------------|-----------------------------|-----------------|
| Date First Production<br>6-23-97                                         | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>Flowing |                             |                           |            | Well Status (Prod. or Shut-in)<br>SI |                             |                 |
| Date of Test<br>6-23-97                                                  | Hours Tested                                                                   | Choke Size                  | Prod'n for<br>Test Period | Oil - Bbl. | Gas - MCF<br>595 Pitot Gauge         | Water - Bbl.                | Gas - Oil Ratio |
| Flow Tubing Press.<br>SI 539                                             | Casing Pressure<br>SI 761                                                      | Calculated 24-<br>Hour Rate | Oil - Bbl                 | Gas - MCF  | Water - Bbl                          | Oil Gravity - API - (Corr.) |                 |
| 29. Disposition of Gas (Sold, used for fuel, vented, etc.)<br>To be sold |                                                                                |                             |                           |            |                                      | Test Witnessed By           |                 |

30. List Attachments

None

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

Printed

Name Peggy Bradfield

Title

Regulatory Administrator

Date 6/24/97

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE.

Southeastern New Mexico

T. Anhy

T. Salt

B. Salt

T. Yates

T. 7 Rivers

T. Queen

T. Grayburg

T. San Andres

T. Glorieta

T. Paddock

T. Blinebry

T. Tubb

T. Drinkard

T. Abo

T. Wolfcamp

T. Penn

T. Cisco (Bough C)

T. Canyon

T. Strawn

T. Atoka

T. Miss

T. Devonian

T. Silurian

T. Montoya

T. Simpson

T. McKee

T. Ellenburger

T. Gr. Wash

T. Delaware Sand

T. Bone Springs

T.

T.

T.

T.

Northwestern New Mexico

T. Ojo Alamo 2033

T. Kirtland-Fruitland 2175-2465

T. Pictured Cliffs 2813

T. Cliff House 3918

T. Menefee 4580

T. Point Lookout 5068

T. Mancos 5470

T. Gallup 6206

Base Greenhorn 6088

T. Dakota 8102

T. Morrison

T. Todilto

T. Entrada

T. Wingate

T. Chinle

T. Permian

T. Penn "A"

T. Penn. "B"

T. Penn. "C"

T. Penn. "D"

T. Leadville

T. Madison

T. Elbert

T. McCracken

T. Ignacio Otzte

T. Granite

T. Lewis - 2930

T. Huerfano Bent-3294

T. Chacra - 3410

T. Graneros - 7080

T.

T.

T.

T.

OIL OR GAS SANDS OR ZONES

No. 1, from

No. 2, from

to

to

No. 3, from

No. 4, from

to

to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from

No. 2, from

No. 3, from

to

to

to

feet

feet

feet

LITHOLOGY RECORD (Attach additional sheet if necessary)

| From | To   | Thickness<br>in Feet | Lithology                                                                            | From | To   | Thickness<br>in Feet | Lithology                                                                                      |
|------|------|----------------------|--------------------------------------------------------------------------------------|------|------|----------------------|------------------------------------------------------------------------------------------------|
| 2033 | 2175 |                      | White, cr-gr ss.                                                                     | 5470 |      |                      | Dark gry carb sh.                                                                              |
| 2175 | 2465 |                      | Gry sh interbedded w/tight, gry,<br>fine-gr ss                                       | 6296 |      |                      | Lt gry to brn calc carb micac g.<br>silts & very fine gr gry ss w/irre<br>interbedded sh       |
| 2465 | 2813 |                      | Dk gry-gry carb sh, coal, gm silts,<br>light-med gry, tight, fine gr ss              | 6977 | 7080 |                      | Highly calc gry sh w/thin lmst                                                                 |
| 2813 | 2930 |                      | Bn-gry, fine gm, tight ss                                                            | 7080 | 7192 |                      | Dk gry shale, fossil & carb<br>w/pyrite incl                                                   |
| 2930 | 3294 |                      | Shale w/siltstone stringers                                                          | 7192 | 7333 |                      | Lt to dk gry foss carb sl calc sl<br>silty ss w/pyrite incl thin sh bar<br>clay & shale breaks |
| 3294 | 3410 |                      | White, waxy chalky bentonite                                                         |      |      |                      |                                                                                                |
| 3410 | 3918 |                      | Gry fn gm silty, glauconitic sd<br>stone w/drk gry shale                             |      |      |                      |                                                                                                |
| 3918 | 4580 |                      | ss. Gry, fine-gm, dense sil ss.                                                      |      |      |                      |                                                                                                |
| 4580 | 5068 |                      | Med-dark gry, fine gr ss, carb sh<br>& coal                                          |      |      |                      |                                                                                                |
| 5068 | 5470 |                      | Med-light gry, very fine gr ss<br>w/frequent sh breaks in lower part<br>of formation |      |      |                      |                                                                                                |

Submit to Appropriate

District Office

State Lease - 6 copies

Fee Lease - 5 copies

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

# OIL CONSERVATION DIVISION

P. O. Box 2089  
Santa Fe, New Mexico 87504-2089

RECEIVED  
JUN 25 1997

OIL CON. DIV  
DIST. 3

Form C-105  
Revised 1-1-89

|                                                                                                     |
|-----------------------------------------------------------------------------------------------------|
| WELL API NO.<br>30-039-25615                                                                        |
| 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 6. State Oil & Gas Lease No.                                                                        |

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

|                                                                                                                                                                                                                                                 |                                  |                                                                |                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------|-----------------------------------------------------------|
| 1a. TYPE OF WELL:<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <u>DHC-1522</u>                                                                                          |                                  | 7. Lease Name or Unit Agreement Name<br><br>San Juan 28-6 Unit |                                                           |
| b. TYPE OF COMPLETION:<br>NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input type="checkbox"/> OTHER <input type="checkbox"/> |                                  | 8. Well No.<br>186M                                            |                                                           |
| 2. Name of Operator<br>BURLINGTON RESOURCES OIL & GAS COMPANY                                                                                                                                                                                   |                                  | 9. Pool name or Wildcat<br>Blanco MV/Basin DK                  |                                                           |
| 3. Address of Operator<br>PO BOX 4289, Farmington, NM 87499                                                                                                                                                                                     |                                  |                                                                |                                                           |
| 4. Well Location<br>Unit Letter <u>E</u> : <u>1510</u> Feet From The <u>North</u> Line and <u>1015</u> Feet From The <u>West</u> Line<br>Section <u>6</u> Township <u>27N</u> Range <u>6W</u> NMPM Rio Arriba County                            |                                  |                                                                |                                                           |
| 10. Date Spudded<br>4-9-97                                                                                                                                                                                                                      | 11. Date T.D. Reached<br>4-15-97 | 12. Date Compl. (Ready to Prod.)<br>6-23-97                    | 13. Elevations (DF&RKB, RT, GR, etc.)<br>6144 GR, 6156 KB |
| 14. Elev. Casinghead                                                                                                                                                                                                                            |                                  |                                                                |                                                           |
| 15. Total Depth<br>7333                                                                                                                                                                                                                         | 16. Plug Back T.D.               | 17. If Multiple Compl. How Many Zones?<br>2                    | 18. Intervals Drilled By<br>0-7333                        |
| 19. Producing Interval(s), of this completion - Top, Bottom, Name<br>4406-5420 Mesaverde Commingled w/Dakota                                                                                                                                    |                                  | 20. Was Directional Survey Made                                |                                                           |
| 21. Type Electric and Other Logs Run<br>GR, CNL                                                                                                                                                                                                 |                                  | 22. Was Well Cored<br>No                                       |                                                           |

## CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT LB/FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|---------------|-----------|-----------|------------------|---------------|
| 9 5/8       | 32.3#         | 229       | 12 1/4    | 236 cu.ft.       |               |
| 7           | 20#           | 3072      | 8 3/4     | 804 cu.ft.       |               |
|             |               |           |           |                  |               |
|             |               |           |           |                  |               |

## 24. LINER RECORD

| SIZE  | TOP  | BOTTOM | SACKS CEMENT | SCREEN | SIZE  | DEPTH SET | PACKER SET |
|-------|------|--------|--------------|--------|-------|-----------|------------|
| 4 1/2 | 2200 | 7330   | 628 cu.ft.   |        | 2 3/8 | 7264      |            |
|       |      |        |              |        |       |           |            |

## 25. TUBING RECORD

|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 26. Perforation record (interval, size, and number)<br>4406, 4458, 4465, 4486, 4495, 4506, 4512, 4517, 4540, 4548, 4555, 4568, 4578, 4603, 4608, 4612, 4627, 4694, 4708, 4732, 4750, 4833, 4838, 4843, 4848, 4880, 4974, 5028, 5042, 5054, 5063, 5069, 5078, 5087, 5097, 5107. | 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.<br>DEPTH INTERVAL<br>4406-4880<br>4974-5420<br>AMOUNT AND KIND MATERIAL USED<br>2182 bbl silk wtr, 100,000# 20/40 Ariz sd<br>2186 bbl silk wtr, 90,000# 20/40 Ariz sd |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## PRODUCTION

|                                                                           |                           |                                                                                |                           |                                      |                                              |
|---------------------------------------------------------------------------|---------------------------|--------------------------------------------------------------------------------|---------------------------|--------------------------------------|----------------------------------------------|
| 28. Date First Production<br>6-23-97                                      |                           | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>Flowing |                           | Well Status (Prod. or Shut-in)<br>SI |                                              |
| Date of Test<br>6-23-97                                                   | Hours Tested              | Choke Size                                                                     | Prod'n for<br>Test Period | Oil - Bbl.<br>860 Pitot Gauge        | Gas - MCF<br>Water - Bbl.<br>Gas - Oil Ratio |
| Flow Tubing Press.<br>SI 539                                              | Casing Pressure<br>SI 761 | Calculated 24-Hour Rate                                                        | Oil - Bbl.                | Gas - MCF                            | Water - Bbl.<br>Oil Gravity - API - (Corr.)  |
| 29. Disposition of Gas (Sold, used for fuel, vented, etc.)<br>To bel sold |                           |                                                                                |                           |                                      | Test Witnessed By                            |
| 30. List Attachments<br>None                                              |                           |                                                                                |                           |                                      |                                              |

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Peggy Bradfield Printed Name Peggy Bradfield Title Regulatory Administrator Date 6-24-97

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE.

## Southeastern New Mexico

## Northwestern New Mexico

|                    |                  |                       |           |                       |
|--------------------|------------------|-----------------------|-----------|-----------------------|
| T. Anhy            | T. Canyon        | T. Ojo Alamo          | 2033      | T. Penn. "B"          |
| T. Salt            | T. Strawn        | T. Kirtland-Fruitland | 2175-2465 | T. Penn. "C"          |
| B. Salt            | T. Atoka         | T. Pictured Cliffs    | 2813      | T. Penn. "D"          |
| T. Yates           | T. Miss          | T. Cliff House        | 3918      | T. Leadville          |
| T. 7 Rivers        | T. Devonian      | T. Menefee            | 4580      | T. Madison            |
| T. Queen           | T. Silurian      | T. Point Lookout      | 5068      | T. Elbert             |
| T. Grayburg        | T. Montoya       | T. Mancos             | 5470      | T. McCracken          |
| T. San Andres      | T. Simpson       | T. Gallup             | 6206      | T. Ignacio Otzite     |
| T. Glorieta        | T. McKee         | Base Greenhorn        | 6088      | T. Granite            |
| T. Paddock         | T. Ellenburger   | T. Dakota             | 8102      | T. Lewis - 2930       |
| T. Blinebry        | T. Gr. Wash      | T. Morrison           |           | T. Huerfano Bent-3294 |
| T. Tubb            | T. Delaware Sand | T. Todilto            |           | T. Chacra - 3410      |
| T. Drinkard        | T. Bone Springs  | T. Entrada            |           | T. Graneros - 7080    |
| T. Abo             | T.               | T. Wingate            |           | T.                    |
| T. Wolfcamp        | T.               | T. Chinle             |           | T.                    |
| T. Penn            | T.               | T. Permian            |           | T.                    |
| T. Cisco (Bough C) | T.               | T. Penn "A"           |           | T.                    |

**OIL OR GAS SANDS OR ZONES**

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

**Include data on rate of water inflow and elevation to which water rose in hole.**

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ feet \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_ feet \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_ feet \_\_\_\_\_

## LITHOLOGY RECORD (Attach additional sheet if necessary)

| From | To   | Thickness<br>in Feet | Lithology                                                                            | From | To   | Thickness<br>in Feet | Lithology                                                                                                           |
|------|------|----------------------|--------------------------------------------------------------------------------------|------|------|----------------------|---------------------------------------------------------------------------------------------------------------------|
| 2033 | 2175 |                      | White, cr-gr ss.                                                                     | 5470 |      |                      | Dark gry carb sh.                                                                                                   |
| 2175 | 2465 |                      | Gry sh interbedded w/tight, gry,<br>fine-gr ss                                       | 6296 |      |                      | Lt gry to brn calc carb micac glau<br>silts & very fine gr gry ss w/irreg.<br>interbedded sh                        |
| 2465 | 2813 |                      | Dk gry-gry carb sh, coal, grn silts,<br>light-med gry, tight, fine gr ss             | 6977 | 7080 |                      | Highly calc gry sh w/thin lmst                                                                                      |
| 2813 | 2930 |                      | Bn-gry, fine grn, tight ss                                                           | 7080 | 7192 |                      | Dk gry shale, fossil & carb<br>w/pyrite incl                                                                        |
| 2930 | 3294 |                      | Shale w/siltstone stringers                                                          | 7192 | 7333 |                      | Lt to dk gry foss carb sl calc sl<br>silty ss w/pyrite incl thin sh bands<br>clay & shale breaks                    |
| 3294 | 3410 |                      | White, waxy chalky bentonite                                                         |      |      |                      |                                                                                                                     |
| 3410 | 3918 |                      | Gry fn grn silty, glauconitic sd<br>stone w/drk gry shale                            |      |      |                      |                                                                                                                     |
| 3918 | 4580 |                      | ss. Gry, fine-grn, dense sil ss.                                                     |      |      |                      |                                                                                                                     |
| 4580 | 5068 |                      | Med-dark gry, fine gr ss, carb sh<br>& coal                                          |      |      |                      | Perforations continued:<br>5114, 5120, 5129, 5141, 5150,<br>5158, 5224, 5258, 5316, 5351,<br>5366, 5372, 5396, 5420 |
| 5068 | 5470 |                      | Med-light gry, very fine gr ss<br>w/frequent sh breaks in lower part<br>of formation |      |      |                      |                                                                                                                     |

|  |  |  |
|--|--|--|
|  |  |  |
|--|--|--|